

$^{28}\text{Si}(\gamma,\gamma),(e,e')$ **1984Be26,1979Sc14**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	M. Shamsuzzoha Basunia		NDS 114, 1189 (2013)	1-Apr-2013

1984Be26: $^{28}\text{Si}(\text{pol } \gamma,\gamma)$ E=65 MeV.

1979Sc14: $^{28}\text{Si}(e,e')$, E=38.7-57.5 MeV.

Other reactions:

$^{28}\text{Si}(\gamma,\gamma)$: [1966Li08](#), [1981Is09](#), [1982Gu16](#), [1989Al01](#).

$^{28}\text{Si}(e,e')$: [1969Fa11](#), [1970St10](#), [1972Na06](#), [1977FrZO](#), [1992Ma30](#), [1992Ye03](#), [1996Lu01](#).

[Additional information 1.](#)

 ^{28}Si Levels

E(level) [†]	J $\pi^{\ddagger}$	T _{1/2}	Comments
0.0			
6887.65 10		2.4 ps 4	T _{1/2} : From 1972Na06 .
10181.60 12	3 ⁻		
10514.1 3	2 ⁺		
10596.18 15	1 ⁺ [#]	389 as 73	T _{1/2} : Weighted average of 291 as 111 (1984Be26) and 444 as 83 (1979Sc14).
10724.7 4	1 ⁺ [#]	624 as 110	T _{1/2} : From 1979Sc14 .
10805.5 10	2 ⁺		
10900.42 15	1 ⁺ [#]	87 as 9	T _{1/2} : Weighted average of 64 as 17 (1984Be26) and 91 as 7 (1979Sc14).
11142 1	2 ⁺		
11446.00 16	1 ⁺ [#]	19.4 as 10	T _{1/2} : From 1979Sc14 . Other: 19.5 as 24 (1984Be26).
12071.1 1	2 ⁺		
12331.0 1	1 ⁺		J π : Also in 1984Be26 – (pol γ,γ).
12441.1 1	2 ⁺		
12726.2 1	2 ⁺		

[†] From Adopted Levels.

[‡] From [1979Sc14](#), based on M1 and electric transitions.

[#] From [1979Sc14](#) – isobaric analogs of low lying 1⁺ states in ^{28}Al .